

19990605.qrp v01_n479.qrl.990605

Date: Sat, 5 Jun 1999 19:03:16 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1479

QRP-L Digest 1479

Topics covered in this issue include:

- 1) [42034] Re: Kit Rig Specs
by Alan Fryer <n3bj@hotmail.com>
- 2) [42035] making CW cuddly and irresistible
by Wayne Burdick <n6kr@elecraft.com>
- 3) [42036] Re: Open line question
by david fouchey <dafouchey@home.com>
- 4) [42037] Re: Regens at NorCal Meeting Sunday, Norm & Vern
by Norm Melick <henmel@worldnet.att.net>
- 5) [42038] Re: Refresh of old code skills--suggestions?
by "Bill Fairbanks" <BILLFAIRBANKS@worldnet.att.net>
- 6) [42039] Wanna Trade Extra 2N2/40 Parts?
by "M. Monninger" <markem@primenet.com>
- 7) [42040] Bodacious Bar-B-Q
by "Joe Spencer" <KK5NA@quadj.com>
- 8) [42041] Re: Open line question
by wa8rxi@juno.com
- 9) [42042] Re: Regens at NorCal Meeting Sunday, Norm & Vern
by Norm Melick <henmel@worldnet.att.net>
- 10) [42043] Yet another open line question
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 11) [42044] Re: Kit Rig Specs
by Tim Ahrens <tahrens@hilconet.com>
- 12) [42045] Your best ever club meeting
by PGSPersEng@aol.com
- 13) [42046] Re: making CW cuddly and irresistible
by Stan Goldstein <stan@cruzio.com>
- 14) [42047] Re: Code No Code Debate Makes Wall Street Journal
by guillotstutoring@juno.com
- 15) [42048] '98 SSB SS Results Are Out
by "Brian J Keegan" <brimail@home.com>
- 16) [42049] QRP-L Command Summary
by "Chuck Adams K5F0" <adams@ticnet.com>
- 17) [42050] Elmer200 Status Report
by "Chuck Adams K5F0" <adams@ticnet.com>
- 18) [42051] Re: 6 meter z-match
by "Chuck Carpenter" <w5usj@globeco.net>
- 19) [42052] Re: Open line question

- by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 20) [42053] Re: Code No Code Debate Makes Wall Street Journal
by david fouchey <dafouchey@home.com>
- 21) [42054] Re: Open line question
by david fouchey <dafouchey@home.com>
- 22) [42055] FS: Wilderness NorCal 40A
by "Rod Cerkoney" <rwc@frii.com>
- 23) [42056] Re: '98 SSB SS Results Are Out
by Shephed@aol.com
- 24) [42057] Re: Your best ever club meeting
by "Frank Matthews" <fmathews@pilot.infi.net>
- 25) [42058] How/Where do I store Sierra band modules?
by Gary Slagel <gdslagel@yahoo.com>
- 26) [42059] Re: making CW cuddly and irresistable
by Wayne A Smith <k8ff@juno.com>
- 27) [42060] Re: Your best ever club meeting
by "John J. McDonough" <jjmcd@tm.net>
- 28) [42061] THE SPARTAN SPRINT IS ON MONDAY!
by "Russ Carpenter" <russ@natworld.com>
- 29) [42062] Re: Military Code Training Secrets Revealed.
by "S. M. Whitehouse" <ke4yh@email.msn.com>
- 30) [42063] Re: How/Where do I store Sierra band modules?
by hw.merz@t-online.de (Hanns W. Merz)
- 31) [42064] Hilo Hawaii get-together
by Dean W Manley <kh6b@juno.com>
- 32) [42065] Dayton QRP Banquet door prize wrap-up
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 33) [42066] re: How/Where do I store Sierra band modules?
by Wayne Burdick <n6kr@elecraft.com>
- 34) [42067] Making CW cuddly and irresistibile - AL7FS
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 35) [42068] Re: How/Where do I store Sierra band modules?
by Bob Kellogg <ae4ic@nr.infi.net>
- 36) [42069] "Super" Sierra
by "John L. Sielke" <n4js@pobox.com>
- 37) [42070] Ten Minutes to TAC Contest!
by Ken Newman <N2CQ@citnet.com>
- 38) [42071] sierra tuning
by "Mike Newbold" <newbold@cmn.net>
- 39) [42072] AL7FS - QRP TAC Contest Notes 1
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 40) [42073] Re: AL7FS - QRP TAC Contest Notes 1
by "John J. McDonough" <jjmcd@tm.net>
- 41) [42074] Re: CW Training
by "George W. Lee" <k5ht@juno.com>
- 42) [42075] RS- Component Tester
by Paul Kaczmarek <catmandu@freewwwweb.com>
- 43) [42076] Bands Conditions for TAC

- by "Ron Polityka" <wb3aal@talon.net>
- 44) [42077] AL7FS - QRP TAC Contest Notes 2
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 45) [42078] Getting Youngsters Excited About Radio
by "wayne reed" <wlreed@viaduct.custom.net>
- 46) [42079] ElmeRadio (Regen)
by Bruce Kizerian <kizerian@ced.utah.edu>
- 47) [42080] FT-100 or FT-847 for QRP
by "Mike Martin" <mmartin@internetni.com>
- 48) [42081] AL7FS - QRP TAC Contest Notes 2
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 49) [42082] N2ARC/qrp American Red Cross NJ;First Contact
by "David Hurley, n2zhy" <n2zhy@amsat.org>
- 50) [42083] TAC Contest
by "Ron Polityka" <wb3aal@talon.net>
- 51) [42084] re: sierra tuning
by Wayne Burdick <n6kr@elecraft.com>
- 52) [42085] AL7FS - QRP TAC Contest Notes 3
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 53) [42086] re: sierra tuning
by Bob Parks - K6AEC <rob3ert@vegas.infi.net>
- 54) [42087] re potato ricer
by "Ted Williams" <tedw@btinternet.com>
- 55) [42088] Small Parts Source
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 56) [42089] [WTB] ARRL CW CD
by The Boices <boice@bigfoot.com>

Date: Fri, 04 Jun 1999 17:07:02 PDT
From: Alan Fryer <n3bj@hotmail.com>
To: erics@elecraft.com, qrp-l@Lehigh.EDU
Subject: [42034] Re: Kit Rig Specs
Message-ID: <19990605000704.56582.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Eric,

Best desription of dynamic range I have seen. Condx were hot and busy this weekend on 15 and 20 in WPX last weekend and NO problem with overload on the K2, great RX performance. Thanks again.

Alan, N3BJ

-----Original Message Follows-----

From: "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>

Reply-To: erics@elecraft.com

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: Kit Rig Specs

Date: Fri, 04 Jun 1999 11:23:47 -0700

Hi Doug,

You left off several of the most important receiver specifications - the dynamic range specifications. Dynamic range expresses the receivers ability to receive weak signals in the presence of much stronger signals. While receiver sensitivity is important, an excess amount of it actually can negatively impact the receiver's dynamic range. (i.e.. strong signals will 'top out' the receiver amplifiers sooner if the RX gain is too large.)

Here are some important dynamic range numbers and brief descriptions of their typical tests.

A) 3rd order IMD Dynamic Range (IMDDR3) and 3rd order intercept. (Bigger numbers = better)

These spec's show the receivers ability to handle multiple, strong, in band signals without degrading RX performance by creating spurious signals in the receiver. For this test RX is tuned to 14.020 and two interfering signals are injected at 14.040 and 14.060. Their third order interfering product will fall on 14.020 as their signal level is increased and they force the receiver stages into distortion.

B) 2nd order intercept. (Bigger numbers = better)

This spec describes the receiver's ability to deal with very strong out of band signals. (i.e.. Field Day and contest multi-transmitters and European Broadcast interference.) For this test two interfering signals are injected at 6.020 MHz and 8.00 MHz. Their second order interfering product will fall on 14.020 as their signal level is increased and they force the receiver stages into distortion.

C. Blocking Dynamic Range (Bigger numbers = better)

This spec shows how well a receiver can handle a strong nearby signal before it 'desenses' the receiver and causes the apparent signal strength of a desired weak signal to drop. For this test the receiver is tuned to a weak signal on 14.020 and an interfering signal is injected on 14.040. The interfering signal strength is increased until the desired signal drops by 1db or the receiver's noise floor increases by 1db.

Much better descriptions of these tests are given in the ARRL Test Procedures Manual (on the ARRL members web site) and in several recent articles in QEX and Communications Quarterly.

Also, most manufacturers normally only specify the maximum level (typ. -40 dbc) of harmonic and spurious outputs, since the absolute numbers vary band to band.

Another good place to look is at recent 'big' rig reviews by the ARRL. They do an excellent job of publishing the key numbers.

Regards,
Eric - WA6HHQ

<http://www.elecrafter.com>

=====
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: Kit Rig Specs
Date: Fri, 4 Jun 1999 09:57:52 -0700

Guys, I am trying to do research for a talk that I am going to give at HamCom next Saturday, and I am amazed at what I have found.I would propose the following specs be listed on every kit, by every manufacturer so we can compare. Do you have suggestions as to things we should add to this list?

Size
Weight
Keying (QSK?)
Relay or Electronic Keying
Freq. Control
Freq. Coverage
kHz per Rev. Tuning
Stability
Freq. Readout (type and accuracy)
RIT?
RIT Coverage
Antenna (ohms & connector)
Output Power
SWR Protected?
Output Spectrum
2nd Harmonic
3rd Harmonic
Receiver Type
Rec. Sens.
I.F.
Rec. Filter
Rec. Bandwidth

Stopband Atten.
AGC
AGC Range
Audio Output
Power Supply
Rec. Current
Trans. Current

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Date: Fri, 4 Jun 1999 17:21:30 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu
Subject: [42035] making CW cuddly and irresistable
Message-ID: <v03102806b37e17828ecb@[206.169.227.113]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To many of us, the average 40-something-year-old QRP gang, it's a no-brainer that CW is still cool. It's a lilting dance o' dits, melifluous and mysterious and intriguing as ever. It is the rhythm and substance of ionospheric poetry.

Yet tomorrow's practitioners of the radio art have different cultural influences and don't necessarily share our romantic notion. They didn't read "200 Meters and Down." They wouldn't get teary over an HW-16. So, if we're going to preserve CW, we need to make it relevant to them somehow. But how?

I know this topic has been hashed out before. But my intuition is that the future of the aspects of our hobby many of us enjoy most--homebrew, QRP, and CW--are inextricably linked. In other words, it's our responsibility.

73,

Wayne Burdick, N6KR

dit - DIT!

Date: Fri, 04 Jun 1999 20:56:00 -0400
From: david fouchey <dafouchey@home.com>
To: applitech@mcg.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42036] Re: Open line question
Message-ID: <375875A0.D7EC0DFB@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just curious here since we are talking about open wire lines & wire antennas. How would you model a 50 mile longwire which was made up of 600 ohm open wire transmission line fed on one end with both leads shorted together. In other words a 50 mile long wire up an average height of 35 feet at 14 mhz? Gain? Beam width? various secondary lobes? Reason I ask is I tried this once and worked it against the equipment room ground. Line was oriented almost perfectly north south, fed from the north end south end unterminated, and boomed from Florence S.C. into Antarctica, but not much good for many other places...any comments?

Dave
WA4EMR

Claton Cadmus wrote:

>
> George T. Baker <w5yr@swbell.net> wrote:
>
> > Just a caution here: tacking 300-ohm ladder line can be dangerous to your
> > health. Any metal, such as a thumbtack or a staple, in close proximity to
> > the conductors of the line can cause major problems.
>
> Sorry George, I have to disagree. Ladder line and it's installation is
> simply not that fragile. It's one of the myths that keep many from using
> it. Small nails used in the middle webbing should be no problem at all.
> The amount of metal is small and perpendicular to the conductors. Frankly,
> I don't think you could even detect any performance changes using metal
> thumbtacks every foot or so. Certainly *not* a major problem. There is a
> lot more metal in close proximity in the standard twinlead standoffs and
> they have been proven to work well into the UHF range. Other options are
> poly romex staples, or how about plastic push pins there's a quick and easy
> way to mount 300 ohm ladder line to the bottoms of floor joist. I like the
> red ones!
>
> 73 de Cla KA0GKC

Date: Fri, 04 Jun 1999 18:13:18 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42037] Re: Regens at NorCal Meeting Sunday, Norm & Vern
Message-ID: <375879AE.2DDF9C9A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Hendricks, Doug" wrote:

> Norm Melick keeps posting about his regen, but Norm, what we all want to
> know is how is Veda coming on hers? You did build yours didn't you? Or was
> it Veda???

Well, since it is ugly construction, yes, I built it. I'm helping her build the second one, Manhattan style. I've seen Vern's work, and she and I are VERY interested in looking at his 5 band regen this Sunday.

See y'all there.

Norm/KQ6SD

Date: Fri, 4 Jun 1999 21:16:27 -0400
From: "Bill Fairbanks" <BILLFAIRBANKS@worldnet.att.net>
To: <bgeipel@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42038] Re:Refresh of old code skills--suggestions?
Message-ID: <19990605011440.EATT25407@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,

It was brutal but real simple. They taught you what one letter sounded like and which finger to use to strike the keyboard. Over and over again

you would strike that key in unison until you knew the sound and key stroke instinctively. Then you learned the next sound and next finger. By the end of a week or so you knew the alphabet and which fingers to use on the keyboard. Then it was a matter of picking up speed. We took a zillion speed tests and were required to reach certain goals within specific time frames....talk about stress !!! Some guys couldn't hack it and literally flipped out. I remember one guy pitching his typewriter out the window of the second floor classroom. They took him away and we never saw him again.

As I recall, the whole process took about 6-8 weeks or so to learn letters and numbers and I think it took 20 wpm or better to pass. Considering that we learned the code and how to touch type at the same time that was pretty good. We learned how to send code basiccally the same way and believe me, sending and receiving are entirely different processes. It wasn't easy and absolutely no fun at all.

P.S.: just because you learned code on a typewrite doesn't mean that you can take it as easily using a pencil and paper!! It's an entirely different skill set and it takes practice to switch to a pencil !!

Date: Fri, 04 Jun 1999 18:24:58 -0700
From: "M. Monninger" <markem@primenet.com>
To: qrp-1@lehigh.edu
Subject: [42039] Wanna Trade Extra 2N2/40 Parts?
Message-ID: <3.0.6.32.19990604182458.00847a10@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

2N2/40 Builders...

I've ordered and received most of the parts I need to build a 2N2/40 and since most of the parts come in units of 5 & 10 I have a lot of extras, mostly resistors & ceramic caps. The caps are from Dan's and the resistors from Digi-Key. Anybody need any of these? I'll make you a good deal or trade for the parts I don't have yet. I need: the .2uF caps, the 330pF polystyrene cap (I missed it when ordering), the two zener diodes (1N4735A and 1N4744A), and the pots. Lemme know what you need & I'm sure we can work a deal.

72/73 Mark AA7TA markem@primenet.com

Date: Fri, 4 Jun 1999 20:55:18 -0500
From: "Joe Spencer" <KK5NA@quadj.com>

To: "Phil NORTEX Atchison" <wa5pql@hotmail.com>, "Doc W5TB Drake" <w5tb@softhome.net>, "Paul S. Smith" <smithp@flash.net>, "Bill Pierrard" <k5jhp@flash.net>,
"Steve NORTEX Yates" <aa5tb@swbell.net>, "rich n5ji" <richard.kapalczynski@mci.com>, "A QRP" <k5hgb@flash.net>, "Baity Bartel" <w2lqbaity@juno.com>,
Subject: [42040] Bodacious Bar-B-Q
Message-ID: <00a301beaef6\$791bb780\$29d132ce@vectra>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
All you QRPers coming to the dinner get-together at Bodacious after HAMCOM Friday are welcome to bring your wife/ "significant other" with you. Should be a good turn out.

73 Joe KK5NA

To run from your demon is to have him pursue you.
It is better to meet him in his world, than to face him in yours!

Visit the RACC QRP Home Page at <http://www.k5rac.org>
Visit the FISTS Web page at <http://www.FISTS.org>
Visit NORTEX QRP Home PAGE at <http://www.quadj.com/nortex.htm>

Date: Sat, 5 Jun 1999 02:07:34 -0400
From: wa8rxi@juno.com
To: QRP-L@Lehigh.EDU
Subject: [42041] Re: Open line question
Message-ID: <19990605.021716.-150373.1.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP Folks,

I too lived in a Mobile Home once , a 70 Footer with an expando attached for the living room.
For antenna supports, I placed two (2) ten foot metal poles on opposite corners front and back.
Built a Dipole for 40 Meters, slit the metal skirting and ran 450 Ohm

Twinlead
through it (near the middle of the trailer).
The Twinlead went under the trailer and through another slit in the
skirting at the rear.
I then notched two (2) pieces of wood, placed under the window, to get
twinlead into the Shack.

With a Kenwood TS-520 (not S) and an antenna tuner, I was able to work 40
thru 10 Meters.

There were some spots on 10 and 20 that gave me some fits...
But, considering all the metal in a Mobile Home, I think it worked out
very well.

The three years I ran this configuration, Worked All States and nearly
broke 100 on DXCC.

So, you never know what will or will not work unless ya try it !

BTW, the twinlead was drapped over the side of the trailer with NO
precautions taken for
getting it away from the metal.

72, Rick - WA8RXI Taylor, MI.
Blue, Orange, Green, Brown, Slate!
White, Red, Black, Yellow, Violet, Mate!

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 04 Jun 1999 19:47:55 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42042] Re: Regens at NorCal Meeting Sunday, Norm & Vern
Message-ID: <37588FDB.61C44EB9@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Hendricks, Doug" wrote:

> He was really proud of himself that he was able to use the 2N2/40
> techniques that Jim Kortge featured in his article in the last issue of
> QRPP. He used the Harbor Freight punch to make his 3/16" round pads, and
> said that construction was a snap. He says that the new technique is
> easy to do, and it allows you to build any circuit, you don't need a board.

I am using the same punch for the next regen!

I couldn't agree more with Vern. The punch kit has the dies
for 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 and 9/32. I think the
3/32 die will be great for the IC's. An excellent
alternative to the nibbler.

So far.

Norm/KQ6SD

Date: Fri, 04 Jun 1999 22:52:14 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [42043] Yet another open line question
Message-ID: <375890DE.5320CAF1@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I understand the part about using a current balun to convert he
ladderline into a coax feed to bring it into the house. However, how
does this effect using a antenna tuner for multiband operation??? I'm
thinking mostly in terms of a large loop 80 meters or better. Any
thoughts???

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Fri, 04 Jun 1999 22:05:27 +0000
From: Tim Ahrens <tahrens@hilconet.com>
To: qrp-1@lehigh.edu
Subject: [42044] Re: Kit Rig Specs
Message-ID: <37584DA7.51D7F5A2@hilconet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Doug - another data point would be what the mfg thought how difficult the kit was.. intermediate, experienced builder, etc..

Coupled with this is 'how many wires need to go to off board components'. Guess I'm spoiled with the NC40/sierra/k2!

Type of PCBs? Double sided, plated thru? I have done several of Sheldon Hands kits, and with them, you have to solder lotsa stuff onto the board directly for the grounds. (no plated thru holes)

If I think of more, I'll let you know.

Thanks

Tim W5FN

Date: Fri, 4 Jun 1999 23:42:28 EDT
From: PGSPersEng@aol.com
To: qrp-1@lehigh.edu
Subject: [42045] Your best ever club meeting
Message-ID: <2fd88708.2489f6a4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

As of this week, I've been "promoted" from acting president to fully elected official president of the Port City ARC (Portsmouth, NH). One of the biggest tasks for the office is coming up with a schedule of activities and meeting topics.

I'm looking for good ideas and think there might be some people on the List who have some. I'd really appreciate your help because, frankly, over the past years our club has been losing members. We haven't come up with anything to keep existing members coming to the meetings nor have we been able to attract and keep new members.

So...what's the best or most interesting club meeting you ever attended? What made it memorable? What suggestions do you have to help keep our club active and attractive to the membership?

Thanks,
Paul, AA1MI

Date: Fri, 04 Jun 1999 21:51:55 -0700
From: Stan Goldstein <stan@cruzio.com>
To: n6kr@elecraft.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42046] Re: making CW cuddly and irresistable
Message-ID: <3758ACEB.AD978DDB@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Even though I'm in the 40 something category, I only became a ham ten years ago .

CW was not something I had the slightest interest in learning , but was a necessary hurdle that had to be mastered to enable the hf privileges.

Somewhere along the way , about 7 or 8 wpm, it became a challange analagous to a video game .

Perhaps packaging cw learning software in the form of a video game would make it interesting for the beginner.

Rufz and the other similiar programs are fine for people who already have the basis skills,
but programs like super morse are pretty dry .

Stan , N6XU

Wayne Burdick wrote:

>

> Yet tomorrow's practitioners of the radio art have different cultural

> influences and don't necessarily share our romantic notion. They didn't
> read "200 Meters and Down." They wouldn't get teary over an HW-16. So, if
> we're going to preserve CW, we need to make it relevant to them somehow.
> But how?

Date: Sat, 5 Jun 1999 00:03:30 -0500
From: guillotstutoring@juno.com
To: qrp-l@Lehigh.EDU
Subject: [42047] Re: Code No Code Debate Makes Wall Street Journal
Message-ID: <19990605.000331.-823983.1.guillotstutoring@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>> ----- Original Message -----
>> From: <K2UD@aol.com>
>>
>> P.S. How about goings to Boston Harbor and throwing our
>> microphones in?

OH NO!!!! Not another Boston Key Party.

Ed Guillot, N5ED
New Orleans, LA
qrp-l#1951

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 5 Jun 1999 06:21:33 -0400
From: "Brian J Keegan" <brimail@home.com>
To: "QRP-L" <qrp-l@lehigh.edu>, "NJ-QRP" <NJQRP@NJQRP.ORG>
Subject: [42048] '98 SSB SS Results Are Out
Message-ID: <000101beaf3d\$3601b520\$12960318@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Results for last year's SSB Sweepstakes are posted on the ARRL Members Only page.

Brian KF2HC

Date: Sat, 5 Jun 1999 05:38:06 -0500
From: "Chuck Adams K5F0" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [42049] QRP-L Command Summary
Message-ID: <E10qCla-0001Pf-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

OK Gang,

Here is a short summary of some useful commands. Print this out and save it. Save this to disk and periodically browse and see if there is something of use. Make into a plastic card to carry around with you.

tnx de K5F0

-----cut here-----

QRP-L COMMAND SUMMARY LIST --- VERSION 1.0 --- Aug 14, 1997

NOTES: your_name is to be replaced by your name, e.g. Ludwig Beethoven
your_call is to be replaced by your call, e.g. K5FJZ or NO_CALL

199X 9XMMDD means year 199X and month MM and day DD, thus
1997 970208 is February 8th, 1997 and the digest for
whole day

In some of the examples below the upper case letters are to avoid confusion. Not required unless so noted.

Your QRP-L numbers are for life. No need to redo it if you unsub and then come back later, go on vacation, etc. It is a non-

contestable part of any divorce proceedings and non-transferable. It will not be reissued as part of a 'vanity-number' program. It cannot be willed to a family or non-family member. Let us know if you get a vanity call.

Some of the files in some of the directories that have a .ps in their name are PostScript files and must be printed or viewed using a PostScript compatable printer or viewer.

The ACK command will start back individual receipt of postings and terminates the DIGEST and POSTPONE commands.

email to	command in body or message	results of same
@LEHIGH.EDU		

LISTSERV	SUBSCRIBE QRP-L your_name your_call	get on the list
LISTSERV	UNSUBSCRIBE QRP-L	exit the list
LISTSERV	SET QRP-L MAIL DIGEST	rcv digest mode
LISTSERV	SET QRP-L MAIL POSTPONE	stop receiving
LISTSERV	SET QRP-L MAIL ACK	restart qrp-l mail
LISTSERV	RECIPIENTS QRP-L	get list of members and their email adrs
LISTSERV	INDEX QRP-L -ALL	list files online
LISTSERV	GET QRP-L/subdirectory filename	get file from list
LISTSERV	GET QRP-L WELCOME.TXT	get welcome file
LISTSERV	GET QRP-L/ARCHIVES-OLD/199X 9XMMDD	get one day posts
LISTSERV	HELP	get help
LISTSERV	RUN QRP-L X GETNR your_call	get secret number
LISTSERV	GET QRP-L/MISC MEMBER_NUMBERS.TXT	get secret nr list
LISTSERV	RUN QRP-L X QRP_CALL	get calls by area
LISTSERV	RUN QRP-L X FCC_CALL callsign	lookup up call
LISTSERV	RUN QRP-L X CALLS2DIST call1 call2	lookup call2 & dist
QRP-L	Message you want broadcast to group	message to qrp-l
	Put none of the above commands in message to the group.	
	Avoid repeating previously posted messages and lengthy	
	signature files, please.	

ADAMS@TICNET.COM message to Chuck, K5FO
LUJCE@LEHIGH.EDU message to Jim, N3VXI

-----+-----+-----
ftp to

FTP.LEHIGH.EDU for ftp site. Note that .Z should be omitted in
GET command for getting files uncompressed. Use
filename without .Z extent.

web site

<http://www.lehigh.edu/lists/archives/qrp-1> To get postings.

If you use the web facilities, please subscribe, then do a
POSTPONE. You will show up on the list and you can post,
otherwise you will only be able to read from the list.

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Sat, 5 Jun 1999 06:07:13 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-1@lehigh.edu
Subject: [42050] Elmer200 Status Report
Message-ID: <E10qDD1-0002tT-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

OK, the good news and the bad news.

Good news. After months of working on system problems
and software for the Intel based system, I think (but I'm
not all that comfortable with it still) I have all the
software in place to get back on track. I beat myself
to death looking for an emailer that would do exactly
what I wanted and not what IT wanted. After going through
EMC, Eudora Lite, Eudora Pro, ... I found that they would
not include a file without doing it as an attachment
in the cases of Eudora 1 and 2... or giving me some
problems related to saving/restoring/.... information

where/when/how I wanted it. I wanted something simple, not a bunch of bells and whistles.

As you saw, I was able to successfully post the QRP-L summary list without having it terminated as showing up with an attachment and the lines not formatted into some ugly looking thing. I finally settled on Pegasus Mail and if you are interested in this stuff then go to <http://www.ticnet.com> and look at the software link and it'll point you in the right direction.

Bad news. I got behind on the SPICE stuff. Good news. I'm about to repost everything and start again. Here is the plan. I have all the postings on my SGI system. I'll move them over after the NORTEX meeting today and I'll repost them in corrected form. Good news is that this will give you a chance to review the material, throw the old stuff away, and give me a chance to add the material that was created in answering questions on the side.... Also by doing this all in one day you can get all the postings in one digest listing. That may be bad news for those not interested but that's the way the cookie crumbles.

In this process I can update the web page to include the schematics, both in PostScript and .jpg formats. I will also post the output graphs from Spice3f4, but from the SGI system. This because I am too stupid to capture images from the PC and save them in .jpg format without having to spend a lot of my time getting software, downloading it, learning it, :-) I am educated beyond my intelligence already.

And I do have one regen receiver to build ASAP. ;-) Maybe NA5N and I can do a race. He can build one on the plane and I'll do one while K8IQY drives. :-)

Those wanting to see all the rigs on the back shelf. You just MIGHT wanna monitor the web page this weekend. First one to identify all the rigs gets a 2SC799 in the bag. The rigs in the K5F0 cases (tm) don't have to be indentified.... That would be asking for a miracle unless you have been monitoring the pics over the last 5 years.

FYI es dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Sat, 05 Jun 1999 07:01:14 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: rerobins@email.uncc.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42051] Re: 6 meter z-match
Message-ID: <3.0.2.32.19990605070114.0068e230@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Rick,

> Has anyone built a z-match for 6 meters using toroids?

I've built a few toroid baluns but hadn't tried a Z-match. I have an Emtech ZM-2 and, this morning, I tried it on 6 just for grins. It worked quite well and seems to have good efficiency with a couple of quick checks. The SWR on the external meter was less than 1.1 at 50 ohms and almost exactly 1.5 at 25 and 100 ohms.

I checked it at 50.125 with about 1.5 watts input. It tuned at all load resistances but responded best at 100 ohms. The visual SWR circuit would not go out completely at 25 ohms. The VisSWR circuit would need some mods to make it more compatible with 50 MHz but then it probably would not work well at HF. You could build a separate switchable visSWR circuit for 6 and another for HF. Also, if you used this circuit for 6 only, you could leave out the extra capacitors needed for the HF low bands.

I have my ZM-2 mounted in a metal box with a different layout than the Emtech kit. The connectors are mounted on the back with the toroid suspended in the center between the front and back panel connections.

72/73 Chuck - W5USJ - EM22cv - Rains County - Point, TX

Date: Sat, 5 Jun 1999 08:12:37 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: david fouchey <dafouchey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42052] Re: Open line question
Message-ID: <Pine.GS0.4.10.9906050806270.20105-100000@moe.cas.utk.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The 50-mile long run of wire with the ends tied together makes up a single wire, with any insulation having only a minor effect on the electrical length. Hence, the antenna was a true long wire, end fed.

Since the antenna is innumerable wavelengths long at the operating frequency, the main lobes of the antenna are almost directly off the ends of the wire, and the lobes more broadside to the antenna would be weak.

Hence, the access to Antarctica was natural, as would be QSOs with any polar bears at the North Pole. At 35', the elevation angle on 20 meters would have been about 20 degrees, and the gain would have been very high in the main lobes. Exact gain numbers would be purely speculative, but something above 15 dBi is likely. Beamwidth would have been quite narrow.

Now, if you could only have rotated the antenna. . .

-73-

LB, W4RNL

Date: Sat, 05 Jun 1999 08:31:12 -0400

From: david fouchey <dafouchey@home.com>

To: guillotstutoring@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [42053] Re: Code No Code Debate Makes Wall Street Journal

Message-ID: <37591890.8A0301C0@home.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Ya know, that many D104's and Shure Mic's could create a hazard to navigation....

Dave

WA4EMR

guillotstutoring@juno.com wrote:

>
> >> ----- Original Message -----
> >> From: <K2UD@aol.com>
> >>
> >> P.S. How about goings to Boston Harbor and throwing our
> >> microphones in?
>
> OH NO!!!! Not another Boston Key Party.
>
> Ed Guillot, N5ED
> New Orleans, LA
> qrp-1#1951
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
> or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 05 Jun 1999 08:47:24 -0400
From: david fouchey <dafouchey@home.com>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [42054] Re: Open line question
Message-ID: <37591C5C.517FC7E4@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Now Rotating would truly be an interesting proposition! I did it for a lark really, it was a circuit that normally carried a local service dial line for our signal and roadway workers. I had just finished re-insulating the line and cutting out all the tree limbs etc. and decided what the heck this could be fun. As expected it performed almost identically on 160 through 10 meters, very high gain and on the upper half of the HF spectrum fairly low angle radiation. If I had been in Charleston instead of Florence there were equivalent lines running north-south and east-west out of there, now THAT could have been interesting indeed...(actully the one line runs basically south west from Charleston following the coastline.)

Alas Hurricane Hugo destroyed the lines and they were not replaced.

Dave
WA4EMR

Sterling Heights, MI

"L. B. Cebik" wrote:

>
> The 50-mile long run of wire with the ends tied together makes up a single
> wire, with any insulation having only a minor effect on the electrical
> length. Hence, the antenna was a true long wire, end fed.
>
> Since the antenna is innumerable wavelengths long at the operating
> frequency, the main lobes of the antenna are almost directly off the ends
> of the wire, and the lobes more broadside to the antenna would be weak.
>
> Hence, the access to Antarctica was natural, as would be QSOs with any
> polar bears at the North Pole. At 35', the elevation angle on 20 meters
> would have been about 20 degrees, and the gain would have been very high
> in the main lobes. Exact gain numbers would be purely speculative, but
> something above 15 dBi is likely. Beamwidth would have been quite narrow.
>
> Now, if you could only have rotated the antenna. . .
>
> -73-
>
> LB, W4RNL

Date: Sat, 5 Jun 1999 07:05:22 -0600
From: "Rod Cerkoney" <rlwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42055] FS: Wilderness NorCal 40A
Message-ID: <002d01beaf54\$267889a0\$2c8611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Like new condition, with KC1, works perfectly, \$180 firm, shipped CONUS.

I love this rig, but I got the "new house blues" & a K2 comin'. Cash from this sale will be converted to window coverings, landscape material...credit card pymt on the K2...:-) Stop me when you've heard this before....

72/3 Rod, NØRC
Fort Collins, CO
arrl, qrp-l, qrp arco, fists, norcal, cqo

da di dah

Date: Sat, 5 Jun 1999 09:15:24 EDT
From: Shepherd@aol.com
To: qrp-l@lehigh.edu
Subject: [42056] Re: '98 SSB SS Results Are Out
Message-ID: <6135a990.248a7cec@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Happy dance time!

OK, I did not make history or break any records, but of the four QRP entries in Ohio for the SSB contest, I came in second!

My score was 19,880, 142 QSO's, 70 sections, and operated 15 hours.
Not to shabby for my first contest of any kind. Next year I will be in both CW and SSB Sweeps.

I was running my Knwd TS-830s at less than 5 watts to a Hygain vertical up 20'.

So, how did everyone else do?

72, 73
Dan, N8IE

Date: Sat, 5 Jun 1999 09:23:30 -0400
From: "Frank Matthews" <fmathews@pilot.infi.net>
To: <PGSPersEng@aol.com>
Cc: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [42057] Re: Your best ever club meeting
Message-ID: <002201beaf56\$9b1d75c0\$1d0861d1@fmathews>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>So...what's the best or most interesting club meeting you ever attended?
What
>made it memorable? What suggestions do you have to help keep our club
active
>and attractive to the membership?

Paul,

I once attended a local meeting where you purchased a ticket for \$2 (was not to attend) to participate in a drawing at the end of a presentation/demo. No one knew what the presentation was going to be ahead of time (the element of surprise). The presenter demonstrated and built a simple three element beam for two meters (homebrew...not a kit) right in front of the group....all the while explaining and talking about some of the technical aspects. Once completed he hooked it up....tuned it (still explaining what he was doing and why) and made a few contacts. After the presentation there was a drawing for the antenna. Only those purchasing a ticket were eligible for the drawing. The antenna was only about \$12 in materials. The presenter was reimbursed for the materials out of the proceeds and the club kept the rest. Not a tremendous fund raiser but it added to the "kitty". The best part was that EVERYONE enjoyed this type and format of presentation and anxiously awaited the next meeting!

Hope this helps

72, Frank

Date: Sat, 5 Jun 1999 07:06:57 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [42058] How/Where do I store Sierra band modules?
Message-ID: <19990605140657.24437.rocketmail@web206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Anyone out there have a great suggestion on how to conveniently store the Sierra band modules? Currently I've got them in a plastic sandwich bag and it breaks my heart to hear em clanking together. Figured there was probably a whole bunch of solutions already in place out there without me starting in on a big engineering effort :-).

The sierra manual mentions there is room to store them

inside the case. Any good ideas how?

How about a case for storing them outside the box?
Thanks for any help?

73, Gary

===

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sat, 5 Jun 1999 10:07:51 -0400
From: Wayne A Smith <k8ff@juno.com>
To: qrp-1@lehigh.edu
Subject: [42059] Re: making CW cuddly and irresistible
Message-ID: <19990605.100819.8030.1.k8ff@juno.com>

Hi Wayne, A couple of years ago my oldest daughter (mid twenties) decided that she wanted to become a ham. She began to study and learn code (to my amazement). When she took her novice test, she was the only female but the only applicant to take the novice. She took it at the Cleveland Hamfest in 1997 and passed with no problem. Only one week later she went to AES in Cleveland and took her Tech Plus and passed easily. She is now licensed as KC8IOP and is working on her code with an upgrade in mind.

I asked her why the interest in Ham radio and in particular CW. Her answer was that she thought that it was COOL! She has been around it her whole life since sitting on my lap as a baby while I was at the rig. But, her interest at this point in her life came as a shock to me.

I guess this illustrates to us old timers that there is hope and not to give up yet. Incidentally her favorite rig is an SW40 built in a Christmas candy tin with a tick keyer and naturally a K8FF/NORCAL paddle.

Best regards es 72, Wayne K8FF

KNOW CW

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 5 Jun 1999 10:11:29 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <PGSPersEng@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42060] Re: Your best ever club meeting
Message-ID: <000c01beaf5d\$5168e200\$010044c0@mdp23b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul

Our club tends to stay lively more through club events than meetings, although sometimes there are good ones. Probably the best one was a presentation on how an SWR bridge actually works, along with examples of actual home-brew SWR bridges. Another really good meeting involved traffic handling, where members participated in passing traffic, both informally and using normal traffic handling procedures, during the meeting.

Our club, however, is very much held together through events, mostly public service events. There are about 100 members in the club, and perhaps 20-30 regularly attend meetings. But I doubt that many of the majority who rarely attend meeting really feel removed from the club.

We have a weekly net, except on meeting week, on the club repeater. Every Saturday many of the members meet for breakfast. We have limited the 'official' public service events to a half-dozen a year, so that members don't get burned out working some local event every weekend. Other requests are sometimes handled 'outside' the club, although it tends to be club members. Many of the members are also members of the local ARES/RACES organization, so we have EC/RO reports both at the meetings and on net night. We are especially fortunate to have excellent relationships with the county emergency services organization so the club gets called out for bad weather or any other sort of major problem in the county.

Of course, there's an annual club dinner, field day, and the annual swap 'n shop. The combination of all these things keeps the club very vibrant.

Visit the club's website at <http://www.qsl.net/w8kea/> to see the current events and the club newsletter (sorry it's out of date - the newsletter

editor had a death in the family and hasn't gotten me the machine readables of the June newsletter yet, although the dead tree version has gone out.)

Hope this gives you some ideas.

Oh, and a plug! Any of you around these parts, don't forget, Michigan Hamfest Weekend, June 19-20, Saturday Midland, Sunday Monroe - see <http://www.qsl.net/w8kea/MARCSWAP.htm>

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

-----Original Message-----

From: PGSPersEng@aol.com <PGSPersEng@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, June 04, 1999 11:47 PM
Subject: Your best ever club meeting

>Hi gang,

>

>As of this week, I've been "promoted" from acting president to fully elected

>official president of the Port City ARC (Portsmouth, NH). One of the biggest

>tasks for the office is coming up with a schedule of activities and meeting topics.

>

>I'm looking for good ideas and think there might be some people on the List who have some. I'd really appreciate your help because, frankly, over the past years our club has been losing members. We haven't come up with anything

>to keep existing members coming to the meetings nor have we been able to attract and keep new members.

>

>So...what's the best or most interesting club meeting you ever attended? What

>made it memorable? What suggestions do you have to help keep our club active

>and attractive to the membership?

>

>Thanks,

>Paul, AA1MI

Date: Sat, 05 Jun 1999 07:38:55 -0700
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [42061] THE SPARTAN SPRINT IS ON MONDAY!
Message-ID: <199906051420.HAA09527@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The June Spartan Sprint will be held on June 7 (which is our standard date--the first Monday of the month). This month we will experiment with a "wide open" contest. You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT. Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT. In terms of UTC, start at 0100 and finish at 0300.
2. The frequencies will be 3060+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-. (You may operate any number of bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP," or "CQ QRP TEST."
5. You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to www.natworld.com/ars and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at www.natworld.com/ars/ss_log.html.

If you don't have access to the web, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us

your log as soon as possible, but in no event later than Wednesday afternoon.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Sat, 5 Jun 1999 10:04:48 -0400
From: "S. M. Whitehouse" <ke4yh@email.msn.com>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42062] Re: Military Code Training Secrets Revealed.
Message-ID: <000201beaf62\$d7ede320\$7295fcd0@default>

Great Discription Ed. What ever happened to the "Big Room" where the keyboards were open basket Remingtons and Royals? We learned the code and to type at the same time. In the big room, there was a mockup of a typewriter keyboard on the wall and a diagram of two hands. A morse letter was sent and the corresponding letter would light on the mockup. Everyone in the class would say the phonetic letter aloud (ie ALPHA) and the instructor would point to the correct finger to use. The same letter would be sent again and everyone would then type the letter. Typing clicks could be heard for about three seconds! After two weeks most all could copy 5 wpm and type about 20 wpm. We were then seperated into smaller classes and copied recorded code groups for about six hours a day. Some of us night

school regulars copied for 8 hours.

Back then (1961) the school/command was call NCTC (Naval Communications Training Center). The name was changed to NTTC (Naval Technical Training Center) in the early 70's while I was there again, as an instructor. Ahhh memories!

72

Stew KE4YH, NCVA

Dunedin, Florida

send email to ke4yh@arrl.net

Date: Sat, 5 Jun 1999 17:29:30 +0200

From: hw.merz@t-online.de (Hanns W. Merz)

To: qrp-1@lehigh.edu

Subject: [42063] Re: How/Where do I store Sierra band modules?

Message-ID: <m10qI02-0005sBC@fwd00.btx.dtag.de>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 8BIT

Content-Transfer-Encoding: 8BIT

Hi Gary,

I use an empty video plastic case. Two adhesive rubber stripes inside necessary. Looks good and the modules are well fixed for fieldday purposes etc.

Send you 2 photos directly (92 kB plus email garbage).

73,

Hanns DK9NL

Gary Slagel schrieb:

> Anyone out there have a great suggestion on how to

> conveniently store the Sierra band modules? Currently . . .

Date: Sat, 05 Jun 1999 11:48:49 EDT

From: Dean W Manley <kh6b@juno.com>
To: qrp-l@lehigh.edu
Cc: kh6b@juno.com
Subject: [42064] Hilo Hawaii get-together
Message-ID: <19990605.055058.5391.0.kh6b@juno.com>

Hello gang,

Jim AD6CW made some remarks about Hilo Hawaii. It's true, we gather about 9:00 a.m. DAILY at the Hilo Jack in the Box. For you visitors to Hawaii, and plan a side trip to Hilo, the place is at the 2-mile marker on the Volcano Highway. This is an open invitation for all QRPers, as well as "normal" people to join us.

The Webmaster for our web page is Mike AH7R. See it at:
<http://www.chem.hawaii.edu/uham/hiqrp.html>

Aloha,
Dean KH6B
Hilo Hawaii

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 5 Jun 1999 10:14:52 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [42065] Dayton QRP Banquet door prize wrap-up
Message-ID: <Pine.LNX.3.95.990605101027.21777J-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It was a blast - 150+ plus people, nearly everyone got a prize, a great slide tour of ARRL HQ by Ed Hare, W1RFI, and a lot of good food (as promised)!

For the wrap up, including the list of prize donors, please check...

<http://w3eax.umd.edu/~ham/1999banquet.html>

In case you don't feel like going there, I include the list here.

American Radio QRP Key Mfg. Co.
American Radio Relay League
AZ ScQRPions
Blue Sky Engineering
Bulldog Paddle by K9LU
CQ Communications
Jeff Davis, N9AVG
Elecraft
EM Scientific
Embedded Research
Emtech
FDS Graphics
G-QRP Club
Gusher Antenna, N2CX
Ed Hare, W1RFI
Jade Products
Jameco
Kanga US
Knightlites QRP Club
LDG Electronics
LQV Engraving
MFJ Enterprises
Marcum's QSLs
Maryland Milliwatts QRP Club
Michigan QRP Club
Morse Express
North Georgia QRP Club
Paddlette
Quarter Century Wireless Association (QCWA)
QRP ARCI
QRP Berlin
QRZ
QSLs by W4MPY
QSLs PDQ
The RF Connection
SGC, Inc.
Small Wonder Labs
Solder-It
St. Louis QRP Society
Sunlight Energy Systems
Ten-Tec, Inc.
TR-LOG
Unified Microsystems
Universal Radio
Wilderness Radio
Worldradio

Please join me in thanking them for their generous contributions to the

banquet!

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sat, 5 Jun 1999 09:26:57 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: gdslagel@yahoo.com
Cc: qrp-1@lehigh.edu
Subject: [42066] re: How/Where do I store Sierra band modules?
Message-ID: <v03102801b37effa6c23a@[206.169.228.48]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gary,

When I built the first prototype Sierra and took it to the NorCal meeting, it wasn't 30 seconds before Doug (KI6DS) had a solution. When he got his Sierra, he mounted foam strips on the inside of the top cover so that the band modules could ride snugly. You might ask him how he did it.

As for me, when I take the Sierra out I have the inside of it stuffed so full of tools, logbook, parts, and band modules that there's no room for rattle ;)

73,
Wayne
N6KR

Date: Sat, 05 Jun 1999 08:44:08 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: k8ff@juno.com, "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [42067] Making CW cuddly and irresistible - AL7FS
Message-ID: <375953D8.9ACA1626@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I enjoyed Wayne, K8FF's, writeup about his daughter becoming a ham. While I don't normally write on this sort of subject, this one brought a smile to my face because of the turned around situation I had with loved ones of mine getting started in ham radio.

I was first licensed as WN0LPK (WA0LPK) back in Atlantic, Iowa in 1965 at the age of 16. My Mom and Dad were properly supportive and somewhat indulgent in that they let me put a telephone pole in the ground at the end of the driveway. I think it was a Gotham vertical I put up on that thing. Time marched on...HS graduation...Iowa State Univ....Univ of Iowa....US Air Force and out into the world.

Some time in late 70s or early 80s, my Mother said to my Dad, "I think I want to get a ham license." That was cool and then my Dad said "Well, I can't let you do that by yourself, we need to do it together." So that's what they did. My Dad, Henry, was KA0NMP (sk-1989) and Mom is Jeanette, KA0NMO, still in Atlantic. When then took their General test together my Dad passed but Mom missed the code by one question. Time marched

Last week my Mom called me on the phone. She played morse code over the phone to me and after 10-15 years (She is now 76 years old), she says she wants to pass her General test. She will be living with us for 2 months this summer and her goal is to go home a General Class ham. Before my Dad died, one of the last projects we did together was to install a Rohn HDBX-40 tower with a modest tri-bander on top. The rig is a Kenwood, TS-120S, just perfect for my Mom. It is still there just waiting for her upgrade from Tech+ to General.

So I will need to make CW cuddly and irresistible this summer. I will do that to the best of my ability as I think my Mom (who loves to talk to people) will do very well on SSB. She does use her 2-mtr rig at the house now and talks with some of the locals. I don't expect her to become a CW buff but that is just fine with me.

If you want to wish her well on her journey to General Class, you can write her at <mailto:ka0nmojl@netins.net> :-)

73, Jim Larsen
AL7FS - Anchorage, Alaska
<http://www.qsl.net/al7fs/>
<mailto:al7fs@qsl.net>

Date: Sat, 05 Jun 1999 12:36:13 -0700
From: Bob Kellogg <ae4ic@nr.infi.net>

To: gdslagel@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42068] Re: How/Where do I store Sierra band modules?
Message-ID: <37597C2D.8132A666@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gary,

I made a little wooden box for mine. Used a piece of 3/4" thick shelving material for the bottom, cut 7-1/4" X 4-1/8". Made a 1/2" deep saw slot every 3/4" across this piece to hold the modules, Sides and lid were made from scrap 1/4" panelling material, nailed and glued to the bottom.

Looks good, works fine, holds nine modules.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, not Nececelery, - Benny Hill

Date: Sat, 05 Jun 1999 13:31:08 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: qrp-1@lehigh.edu
Subject: [42069] "Super" Sierra
Message-ID: <XFMail.990605133108.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Just finished putting the final touches on my "Super" Sierra. I installed ABX in my old Norcal Sierra, which already had the Buzznot and KC2. The final touch was the DL-QRP amp. Wow, does that little thing work. At full power 9.5 watts out on 14 Mhz, and 7.5 out at 28 Mhz! Similar, between 7 and 9 on all the other bands, except 15M, which only gives me 3. But I have always had trouble with the 15M module. I'm not sure what it is. In the stock Sierra, I was getting only 1 watt on 15. I know it's not the amp, as I have 8 watts on 18 and 7.5 on 24 Mhz.

/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>

_/ _/ _/ _/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Sat, 05 Jun 1999 13:52:06 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [42070] Ten Minutes to TAC Contest!
Message-ID: <3.0.6.32.19990605135206.00815d60@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here it is! Time to get on the TAC Contest. CU There!

~~~~~  
QRP TAC Contest Rules

DATE/TIME: Saturday, June 5, 1999 1800 to 2359Z  
MODE: CW only

EXCHANGE: Call, RST, Name, and TAC (Telephone Area Code)  
or Country. Note - DX countries without an area code may use their  
Country Prefix.

Pennsylvania stations will send an "X" after the prefix.  
Most TACs may be found in your telephone directory.

Example - N3EPA DE EA8YU UR 559 GORAN EA8 BK  
EA8YU DE N3EPA QSL UR 559 RON 610X BK

CATEGORIES: A total of 5 categories are available, and you may  
enter in up to 4 of them. They are:

QRP, 5 watts output or less.  
QRPP, Less than 1 watt output.  
Tactical, a portable, temporary station using temporary antennas.  
Home-brew, if you built it as a kit or from scratch.

Newbie, if this is the first contest you have ever entered yourself.

QSO POINTS: 5 points for every QSO.  
10 Points for each QSO with a Pennsylvania  
station.

The same station may be worked on different bands for additional  
QSO points and multipliers.

FREQUENCIES: HF and VHF bands, excluding 30, 18, and 12 meters.

No WARC bands. Suggest that you stay \*around\* the standard QRP frequencies. If using VHF bands, stay around standard calling frequencies. No repeater operation permitted.

MULTIPLIER: TAC and Country prefixes.

SCORE: Total score = QSO points x TACs and Countries + 1000 points for every category that you entered.

POWER: 5 watts or less output.

AWARDS: To be determined. Certificates for each winner in each category at least.

Contest Chair may participate, but not eligible for awards.

Submit your log showing:

Band, Time UTC, Station, RST received, Name, and TAC or Country prefixes.

DEADLINE FOR SUBMISSION IS 15 JULY 98.

WINNERS ANNOUNCED BEFORE 31 JULY 98.

For sample log, and TAC/CC sheet, send SASE and one unit postage to:

Look for the EPA QRP Club Station N3EPA. For the complete rules check [http://www.kpsnet.com/wb3aal/Start\\_Page.htm](http://www.kpsnet.com/wb3aal/Start_Page.htm) under TAC Contest.

-----  
Date: Sat, 5 Jun 1999 11:56:09 -0600  
From: "Mike Newbold" <newbold@cmn.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [42071] sierra tuning  
Message-ID: <199906051756.LAA15142@cmn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

speaking of Sierras, one of the best qrp rigs ever...  
has anyone done a mod to change the direction of the tuning knob? i.e.  
clockwise = higher frequencies, ccw = lower frequencies. compared to my  
other rigs its backwards.

thanks  
mike K0Y0

-----

Date: Sat, 05 Jun 1999 10:16:42 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [42072] AL7FS - QRP TAC Contest Notes 1  
Message-ID: <3759698A.19BF669F@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

1814Z no signals in Anchorage on 20 or 15.  
Will try again around 1900Z

Beautiful sunshine day, blue sky and warm...will go over 60 today.

--

73, Jim Larsen  
AL7FS - Anchorage, Alaska  
<http://www.qsl.net/al7fs/>  
<mailto:al7fs@qsl.net>

-----  
Date: Sat, 5 Jun 1999 14:24:38 -0400  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <al7fs@pobox.alaska.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42073] Re: AL7FS - QRP TAC Contest Notes 1  
Message-ID: <001201beaf80\$ae7db060\$010044c0@mdp23b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

>1814Z no signals in Anchorage on 20 or 15.  
>Will try again around 1900Z

About the same here - I can hear Bob Patten, but just barely, and he can't hear me. Usually he just booms in here. Otherwise, not a TACer to be heard!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>

didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Sat, 05 Jun 1999 14:48:09 EDT  
From: "George W. Lee" <k5ht@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [42074] Re: CW Training  
Message-ID: <19990605.134808.6735.1.k5ht@juno.com>

I don't know about others but I have really enjoyed hearing of the military methods of CW training. The related stories just added to my pleasure. I'm looking forward to seeing all the QRP'ers at Ham-Com next week end.

72, George   KR5C

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 06 Jun 1999 15:19:27 -0400  
From: Paul Kaczmarek <catmandu@freewwwweb.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42075] RS- Component Tester  
Message-ID: <375AC9BF.41B7@freewwwweb.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I wanted to post to the list something I found that's a great buy. It's a new item at Radio Shack TM. It's called Electronic Components Tester PN-22-330 on sale for \$19.95. It's a small box 2-1/2 by 2 by 1-1/2 with three alligator clip leads. It will test transistors, FET's, diodes, LED's, and continuity. As well as identifying cathode/anode, PNP/NPN, source/gate/drain. It seems to be similar to the Lil Bitty Tester carried by MCM or Contact East without the DC detectability or cost. Test voltage is 4.5 volts @ <450uA so it should be safe for most components (powered by 3 AAA.) Could be nice to add to the possibles bag with one of those pocket DVM's as well as something nice to get on



Fathers day (better than a tie.)

Paul KB2TPA U.S.M.C. <>> Cheektowaga NY Sierra/Argosy

-----  
Date: Sat, 5 Jun 1999 15:13:24 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [42076] Bands Conditions for TAC  
Message-ID: <002101beaf87\$7c5bf680\$245445c6@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bands seem to be bad for the TAC Contest Today.  
I am trying 15 & 20 meters on the hour.

72 & 73  
Good DXing  
Ron de WB3AAL  
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv  
[http://www.kpsnet.com/wb3aal/Start\\_Page.htm](http://www.kpsnet.com/wb3aal/Start_Page.htm)  
Eastern Pennsylvania QRP Club Call --> N3EPA

|                 |               |
|-----------------|---------------|
| EPA QRP #1      | NJ QRP #179   |
| KL7 QRP # 309   | G-QRP # 3031  |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal #        | Zombie #625   |

SETI @ Home Project  
<http://setiathome.ssl.berkeley.edu>

-----  
Date: Sat, 05 Jun 1999 11:26:16 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [42077] AL7FS - QRP TAC Contest Notes 2  
Message-ID: <375979D8.634A6434@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

1922Z only N4BP coming into Anchorage. Signal about 329 but cannot be heard by Bob at this time. No other QRP signals. Will check again about 2015Z.

--

73, Jim Larsen  
AL7FS - Anchorage, Alaska  
<http://www.qsl.net/al7fs/>  
<mailto:al7fs@qsl.net>

-----  
Date: Sat, 5 Jun 1999 14:54:08 -0400  
From: "wayne reed" <wlreed@viaduct.custom.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [42078] Getting Youngsters Excited About Radio  
Message-ID: <004701beaf84\$cb7a8220\$644961ce@q7c8d5>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

Not quite QRP, but stay with me! I was thinking (?) about a different approach to radios for kids. What if you modified those el-cheapo broadcast AM/FM radios to receive something more interesting?

Reducing the tuning capacitance on AM could move you up into the bottom of the shortwave bands. No BFO, but broadcast shortwave is mostly AM anyway - last I checked.

The FM is a little tougher, but, is it possible to move it to something more interesting or at least different? Up or down band?

Now, having planted that thought, what is the easiest way to go with the typical 'one chip' radio?

Getting them apart can be the first problem. Peel off all the likely labels and you will find all the screws. The ones I have taken apart had typical ganged plastic covered, polyethylene separators type of tuning capacitor. Rigs include headphone/radio on your head types (hard to tune for my money) up to a rig with an external FM antenna and a really decent speaker. Any of these rigs can be had for the price of the [included] headset. My local Wal-Mart had several of these rigs on sale for \$2.00.

Just showing the kids what is in them and letting them poke around to get funny noises out of it is a hoot!

Put your grey matter to work and let's post some suggestions for mods and uses for these nifty radios.

Should I be posting this somewhere else?

Thanks for the bandwidth. Usual disclaimers apply.....

Wayne, k9ne  
wlreed@custom.net

-----  
Date: Sat, 05 Jun 1999 14:10:02 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [42079] ElmeRadio (Regen)  
Message-ID: <3759841A.24BA6D8D@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang

Looks like the ElmeRadio is going to be a winner. Hopefully, Monday I will post a schematic and a description. Too late to enter it in HAMCOMM--the prototype belongs to my grandson. He has helped me build it and has waited patiently for weeks while I made it work. Giving it to him is more important than winning one of those cool prizes.

A short description to wet your appetite. The box is bright blue, the front panel is sun yellow, colorful Radio Shack knobs, AM broadcast only (SW to come later), Kitchin's detector (like the Desert Ratt), Charles Wenzel's TL431 audio amplifier, built in loopstick (no external antenna required for local MW reception), cheap to make, and (eventually) easy to build.

Stay tuned and keep the homebrew fires burning.

Bruce kk7zz

-----  
Date: Sat, 5 Jun 1999 15:14:12 -0500  
From: "Mike Martin" <mmartin@internetni.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42080] FT-100 or FT-847 for QRP  
Message-ID: <001101beaf8f\$fb214bc0\$4e9de3cf@default>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Has anyone on the list had experience (pro or con) with either of these radios? I just got rid of an Icom 706. I want a rig with a better front end for qrp ssb, cause I'm one of the minority on this list that don't pound brass.

73's,

Mike KA9LYY

-----  
Date: Sat, 5 Jun 1999 16:30:54 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:al7fs@pobox.alaska.net" <al7fs@pobox.alaska.net>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Subject: [42081] AL7FS - QRP TAC Contest Notes 2  
Message-ID: <199906051633\_MC2-7855-D21E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Jim:

Band condx terrible here in Bismarck. Only been trying on 20, where a \*few\* signals heard, most of them QRO apparently. Did snag Steve N0TU just a few minutes ago, but not in TAC. Wow. Was sure hoping for a great day. Maybe it will get better.

72,

--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 6028  
Bismarck, ND 58506  
70511.3041@compuserve.com

-----  
Date: Sat, 05 Jun 1999 17:12:54 -0400

From: "David Hurley, n2zhy" <n2zhy@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [42082] N2ARC/qrp American Red Cross NJ;First Contact  
Message-ID: <375992D6.28C973B@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Made my first contact today as the American Red Cross of NJ club station (N2ARC) with Doc, K0EVZ.

Doc thanks for pulling me out of the noise and qsb! Big time fun!

Operating mobile from the club vehicle (my van), in the parking lot of the Red Cross here in Princeton,NJ with my SST on 20 meters and a hamstick on top!

Of course operating qrp, we only deal with very very small disasters right now but, hope to expand in the future! Look for N2ARC on the air.

Thanks again Doc

David,N2ZHY  
American Red Cross NJ, N2ARC  
Princeton,NJ

-----  
Date: Sat, 5 Jun 1999 17:24:23 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [42083] TAC Contest  
Message-ID: <04e601beaf99\$c905a500\$245445c6@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I just worked EA8YU on 15 meters running 5 watts into a vertical.  
This is my 1st DX today.

72 & 73  
Good DXing  
Ron de WB3AAL  
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv  
[http://www.kpsnet.com/wb3aal/Start\\_Page.htm](http://www.kpsnet.com/wb3aal/Start_Page.htm)  
Eastern Pennsylvania QRP Club Call --> N3EPA

|                 |               |
|-----------------|---------------|
| EPA QRP #1      | NJ QRP #179   |
| KL7 QRP # 309   | G-QRP # 3031  |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal #        | Zombie #625   |

SETI @ Home Project  
<http://setiathome.ssl.berkeley.edu>

-----  
Date: Sat, 5 Jun 1999 14:30:15 -0700  
From: Wayne Burdick <n6kr@elecraft.com>  
To: newbold@cmn.net  
Cc: qrp-1@lehigh.edu, qrpbob@datatamers.com  
Subject: [42084] re: sierra tuning  
Message-ID: <v03102802b37f44c7020e@[206.169.228.48]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Mike, K0Y0 wrote:

...has anyone done a mod to change the direction of the tuning knob? i.e.  
clockwise = higher frequencies, ccw = lower frequencies. compared to my  
other rigs its backwards...

Mike,

The Sierra tunes that way because of the planetary drive on the VFO and the  
particular mixing scheme I used. If you want it to tune the other way,  
you're in for some tricky engineering ;)

The easiest way might be to remove the tuning cap and replace it with a  
10-turn pot and a large varactor diode. You can then wire the pot to tune  
either direction. Since you have a KC2, you wouldn't be too concerned about  
nonlinearity of the pot's tuning. But the varactor will be more sensitive  
to temperature than the original air-variable cap, so you might notice more  
drift unless you do temperature compensation of the varactor--typically  
done using an ordinary silicon diode, although there are some subtleties.  
Motorola has an application note on this topic.

With the pot, you'll be tempted to extend the rig's frequency coverage to  
perhaps 200 or 300 kHz. The KC2 can handle it, but watch out for the narrow

tuning of the band-pass filters.

Don't forget that the air-variable cap is also a part of the physical infrastructure of the rig, holding the front panel to the PC board. In the Wilderness version I added beefy side tabs, so this is less of an issue.

73,  
Wayne  
N6KR

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Date: Sat, 05 Jun 1999 13:38:07 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [42085] AL7FS - QRP TAC Contest Notes 3  
Message-ID: <375998BF.35EC0596@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

2133z na3vv on 15mtr ...will stay there for a bit

--  
73, Jim Larsen  
AL7FS - Anchorage, Alaska  
<http://www.qsl.net/al7fs/>  
<mailto:al7fs@qsl.net>

-----  
Date: Sat, 5 Jun 1999 18:01:08 -0400 (EDT)  
From: Bob Parks - K6AEC <rob3ert@vegas.infi.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Cc: n6kr@elecraft.com  
Subject: [42086] re: sierra tuning  
Message-ID: <199906052201.SAA15912@fh102.infi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Actually, there is another way. In my HB Sierra, I used an APC type variable for the main tuning. This particular type of variable has no stops; it can turn 360 degrees. I coupled this to a Jackson Bros. type reduction drive. I set the capacitor at MINIMUM capacity at the counter-clockwise position (highest VFO frequency, lowest operating frequency), and it now tunes low to high, in a clockwise manner. (Not sure that I'm getting any structural help

from this set-up!).

If you, or anyone else, would like pix of my rig, please let know.

At 02:30 PM 6/5/99 -0700, you wrote:

>Mike, K0YO wrote:

>

>...has anyone done a mod to change the direction of the tuning knob? i.e.

>clockwise = higher frequencies, ccw = lower frequencies. compared to my

>other rigs its backwards...

>

>Mike,

>

>The Sierra tunes that way because of the planetary drive on the VFO and the

>particular mixing scheme I used. If you want it to tune the other way,

>you're in for some tricky engineering ;)

>

>The easiest way might be to remove the tuning cap and replace it with a

>10-turn pot and a large varactor diode. You can then wire the pot to tune

>either direction. Since you have a KC2, you wouldn't be too concerned about

>nonlinearity of the pot's tuning. But the varactor will be more sensitive

>to temperature than the original air-variable cap, so you might notice more

>drift unless you do temperature compensation of the varactor--typically

>done using an ordinary silicon diode, although there are some subtleties.

>Motorola has an application note on this topic.

>

>With the pot, you'll be tempted to extend the rig's frequency coverage to

>perhaps 200 or 300 kHz. The KC2 can handle it, but watch out for the narrow

>tuning of the band-pass filters.

>

>Don't forget that the air-variable cap is also a part of the physical

>infrastructure of the rig, holding the front panel to the PC board. In the

>Wilderness version I added beefy side tabs, so this is less of an issue.

>

>73,

>Wayne

>N6KR

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Date: Sat, 5 Jun 1999 22:31:23 +0100  
From: "Ted Williams" <tedw@btinternet.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [42087] re potato ricer  
Message-ID: <002c01beaf9e\$abbaeb40\$263aac3e@btinternet>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Can anyone please tell me the purpose of turning perfectly respectable potatoes into something resembling grains of rice?

This is an entirely novel concept on this side of the pond, and leaves me genuinely puzzled.

Obb QRP.....I estimate a grain of rice is about 60 dB down on a medium potato.....that's really QRP.

72 Ted, G0ULL

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Date: Sat, 05 Jun 1999 17:47:56 -0500  
From: "Ed Manuel (N5EM)" <n5em@flash.net>  
To: qrp-l@lehigh.edu  
Subject: [42088] Small Parts Source  
Message-ID: <4.1.19990605174550.009aece0@pop.flash.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

With note of the interest in some hard to find items like B/W coil stock and Adel tools, you might want to check out <http://www.cityelectronics.com/> for some of these items. Certainly not a Mouser or Digikey, Alex runs a one-man shop that is a must-visit when in Houston. Now that he has a website, I guess the secret's out.

Ed, N5EM

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Date: Sat, 05 Jun 1999 17:55:04 -0500  
From: The Boices <boice@bigfoot.com>  
To: qrp-l@Lehigh.EDU  
Subject: [42089] [WTB] ARRL CW CD  
Message-ID: <3.0.6.32.19990605175504.009202a0@mailbox.arn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Anyone have a 15-22 wpm ARRL CW practice CD they've outgrown or grown tired of? I'll take it off your hands for the right price.

72,

Mike Boice, KW1ND  
Canyon TX  
QRP-L # 576    ARCI    ARS # 188

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End of QRP-L Digest 1479

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